



Course Information

- Semester and Year: Fall 2026
- Course Title: Introduction to Different Programming Languages
- Course Prefix and Number: CSC 240
- Section Number: 18784
- Credit Hours: 3
- Start Date: Tuesday, 9/8/2026
- End Date: Friday, 12/18/2026
- Room Number: N/A
- Meeting Days: N/A
- Meeting Times: N/A
- Class Format: Online, asynchronously

Instructor Information

- Instructor: Professor Chris L. Santo
- Email: c.santo@scottsdalecc.edu
- Phone: 480-423-6123 (please use Canvas Inbox instead)
- Office Location: Room CM-425, Google Meet, or Discord
- Office Hours: Please see my faculty profile page for Office Hours
<https://directory.scottsdalecc.edu/santo-chris>

Course Description

Introduction to procedural (C/C++), applicative (LISP), and declarative (Prolog) languages.

Prerequisites and/or Corequisites

A grade of C or better in any of CSC205, CSC205AA, CSC205AB, CSC205AC, CSC205AD, or permission of instructor.

Course Competencies

1. Write C/C++ programs that use branches and loops.
2. Write C/C++ programs that call functions and procedures from C/C++ std. library.
3. Write C/C++ programs that call functions and procedures from user-defined classes.
4. Describe Object Oriented Design as used in C++.
5. Write LISP programs that use recursion.
6. Describe how LISP programs use backtracking.
7. Write Prolog programs that use recursion.
8. Describe how Prolog programs use backtracking.
9. Describe the advantages and disadvantages of strong or weak typing.

Texts and Course Materials

1. Learn C++ (www.learncpp.com) Ch. 0-12, 14, 15, 20, 23, 24 and 25.
2. The Scheme Programming Language, Fourth Edition by R. Kent Dybvig. Ch. 1-6.
3. Learn Prolog Now! Patrick Blackburn, Johan Bos, Kristina Striegnitz. Ch. 1-6.

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

Late work, or assignments submitted after the Canvas due date, are not accepted and will receive a zero score. Programs copied from other students, internet websites, or direct copies from any generative AI website, without attribution, will receive a zero score. Resubmission of assignments after grading is not permitted.

Attendance Policy

If during any 14-day period, an assignment or quiz is not submitted, students may be involuntarily withdrawn from the course, or depending on the situation, fail the course altogether. Please reach out to your instructor if you need to be away from the course for more than a week.

Instructional Contact Hours and Minimum Course Expectations

Instructional contact hours are the weekly time students spend directly learning with their instructor or course activities. These activities include, but are not limited to, lectures, discussions, labs, group work, and viewing recordings. Instructional contact hours vary by course; refer to the [MCCCD course bank](#) for your course's details.

Minimum course expectations include the number of hours students are expected to spend outside of class (weekly) completing coursework. Students are encouraged to use the [Time Management Calculator](#) to help estimate their weekly time commitment for classes.

Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of the technologies used in this course.

Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

Synchronous Communication Tools

This course implements the use of web conferencing and/or other synchronous course tools.

- This course may use Google Meet, WebEx or Discord web conferencing to meet with the instructor or other students as needed.

Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services.

Student Assignment Tools

Lab programming assignments are completed on locally-installed IDEs, such as Visual Studio, DrRacket, or SWI-Prolog. Some lab assignments and all quizzes are completed in Canvas.

This course requires students to participate in or submit assignments using desktop or cloud-based applications.

Students will also need to install a local IDE on a Windows or MacOS computer. These IDE programs are discussed in Canvas, but may include any of the following: Visual Studio, DrRacket or SWI-Prolog

This course requires students to participate in or submit assignments using desktop or cloud-based applications.

- Google Products
- Microsoft Office 365

Generative Artificial Intelligence (AI) Policy

The World Economic Forum defines generative AI as “a category of artificial intelligence (AI) algorithms that generate new outputs based on the data they have been trained on. Unlike traditional AI systems that are designed to recognize patterns and make predictions, generative AI creates new content in the form of images, text, audio, and more.”

Some examples of generative AI tools include but are not limited to: ChatGPT, Google Gemini, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly.

Generative Artificial Intelligence (AI) Allowed in All Contexts

In this class, you are permitted to use generative AI tools to complete your assignments. When submitting work that incorporates generative AI content, **please clearly indicate what content was generated by AI tools**. In such cases, no more than 50% of your work should be generated by a generative AI tool. If any part of this is confusing or uncertain, please reach out to me for a conversation before submitting your work.

Grading Standards and Practices

Grade Scale

Table 1 Course Grading Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Assignments

Table 2 List of Assignments

Assignment Name	Percent of Grade
Lab Assignments (In Canvas, due in each of 14 modules)	20%
Discussion Boards	20%
Quizzes	10%
Projects (Three, One each for C++, Scheme and Prolog)	50%
TOTAL:	100%

Late Assignments

All lab assignments and quizzes have due dates, generally on Saturdays, throughout the semester. Assignments will not be accepted, and zero will be recorded in the gradebook, if they are late.

This late policy may seem harsh; however, this is a 200-level computer science class. Most of the students in this advanced class will be submitting assignments on time and eagerly waiting for their instructor to provide valuable feedback so they can continue to their next assignment.

It is a hardship for the instructor if they must grade assignments long after they are due, and it is a hardship for the other students who submit their assignments on time if the instructor decides to wait to grade assignments until after all students have submitted their assignment. Please be a responsible fellow classmate and submit your assignments on or before the due date.

Submission (or resubmission) of assignments after the due date is not permitted.

Student/Instructor Interaction

In this course, you can expect regular and substantive interaction (RSI) that aligns with Scottsdale Community College's mission to provide challenging and supportive learning experiences and the US Department of Education's requirement for regular and substantive interaction (RSI) for online courses. My commitment to your success includes the following:

- Being available during regularly scheduled student support hours as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via in-person, recorded, and/or text-based lectures.
- Engaging in weekly discussions about course content within discussion boards in Canvas.
- Providing individual feedback regularly on assignments.
- Promptly responding to student questions about the course sent via email, or the Canvas inbox. **Please note that the Canvas Inbox is the preferred method of communication.**
- Regularly posting announcements about the course content and activities.
- Monitor your academic progress and communicate concerns, as needed.

Response Time

Students can expect a response time of **24-48 hours** for the instructor to respond to messages sent via the Canvas Learning Management System or c.santo@scottsdalecc.edu email. Students can expect assignments to be graded within **one week** of the assignment's due date.

Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [Tutoring & Learning Centers](#) page for detailed information on the five learning centers' hours and procedures.

If you need to work with a tutor outside regular hours, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. To access Brainfuse and begin working with a tutor, visit the [SCC Online Tutoring Services Through Brainfuse](#) page.

Informal tutoring from your fellow students and your instructor is available on the CSC Discord Server. Join the Discord at the following link: <https://discord.gg/bjeebSyPQy>

MCCCD Policies

MCCCD is committed to providing a safe, fair, and accessible environment for all students. This includes laws such as the ADA and Title IX, which protect against discrimination. These statements explain your rights, available support, and where to go for help or more information. Please review the following policies:

Classroom Accommodations for Students with Disabilities

In accordance with the Americans with Disabilities Act (ADA), the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. physical, sensory, neurological, chronic illness, mental health, learning disabilities, or other health concerns). If you require accommodation for this course, please contact [Disability Resources and Services](#) (DRS) at your college.

Contact with [DRS](#) should be made as soon as possible to ensure academic needs are met in a reasonable time. Additional information can be found in the [Non-Discrimination Statement](#) and [MCCCD Non-Discrimination Policies](#).

Addressing Incidents of Title IX Sexual Harassment

Students are responsible for the information contained in this syllabus, the Syllabus page in the Canvas course, and the College Policies & Student Services page located under SCC Student Resources in the Canvas course navigation menu. The instructor will notify students of any changes to course requirements or policies.